

Ms. Nina Anderson
Inspectorate America Corporation
12000 Aerospace Ave, Suite 200
Houston TX 77034-5576

Report Number: 69981

Revision: Rev. 0

Re: Sprague Energy (Project No: 4101-11-01)

Enclosed are the results of the analyses on your sample(s). Samples were received on 25 May 2011 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

<u>Lab Number</u>	<u>Sample Date</u>	<u>Station Location</u>	<u>Analysis</u>	<u>Comments</u>
69981-1	05/24/11	Tk7-So. Portland-2011-020-00408-1	EPA 8260 Volatile Organics	
69981-2	05/24/11	Tk7-So. Portland-2011-020-00408-2	Electronic Data Deliverable	
	05/24/11	Tk7-So. Portland-2011-020-00408-2	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

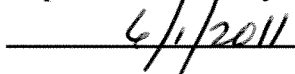
Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Department of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature


Stephen L. Knollmeyer Lab. Director

Date


6/1/2011

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May 31, 2011

SAMPLE DATA

CLIENT SAMPLE ID
Project Name: Sprague Energy
Project Number: 4101-11-01
Field Sample ID: Tk7-So. Portland-2011-020-00408-1

Lab Sample ID: 69981-1
Matrix: Solid
Percent Solid: 100
Dilution Factor: 2460
Collection Date: 05/24/11
Lab Receipt Date: 05/25/11
Analysis Date: 05/27/11

ANALYTICAL RESULTS VOLATILE ORGANICS							
COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg	COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg
Chloroethane	1230	2460	U	1,1-Dichloroethane	1230	2460	U
Chloroform	1230	1850	U	1,1-Dichloroethene	1230	1850	U
Chloromethane	1230	2460	U	1,1-Dichloropropene	1230	2460	U
cis-1,2-Dichloroethene	1230	2460	U	1,2,3-Trichlorobenzene	1230	2460	U
cis-1,3-Dichloropropene	1230	2460	U	1,2,3-Trichloropropene	1230	2460	U
Dibromochloromethane	1230	1850	U	1,2,4-Trichlorobenzene	1230	2460	U
Dibromomethane	1230	2460	U	1,2,4-Trimethylbenzene	1230	2460	168000
Dichlorodifluoromethane	1230	2460	U	1,2-Dibromo-3-chloropropane	1230	2460	U
Ethylbenzene	1230	2460	30000	1,2-Dibromoethane	1230	1850	U
Freon-113	1230	2460	U	1,2-Dichlorobenzene	1230	2460	U
Hexachlorobutadiene	1230	2460	U	1,2-Dichloroethane	1230	1850	U
Isopropyl benzene	1230	2460	4920	1,2-Dichloropropane	1230	1850	U
m,p-Xylene	1230	2460	113000	1,3,5-Trimethylbenzene	1230	2460	41800
Methyl-tert-butyl ether (MTBE)	1230	1850	U	1,3-Dichlorobenzene	1230	2460	U
Methylene chloride	6160	12300	U	1,3-Dichloropropane	1230	2460	U
Naphthalene	1230	2460	152000	1,4-Dichlorobenzene	1230	2460	U
n-Butylbenzene	1230	2460	U	2,2-Dichloropropane	1230	2460	U
n-Propylbenzene	1230	2460	19900	Methyl ethyl ketone	12300	24600	U
o-Xylene	1230	2460	50800	2-Chlorotoluene	1230	2460	U
sec-Butylbenzene	1230	2460	7030	2-Hexanone	12300	24600	U
Styrene	1230	2460	U	4-Chlorotoluene	1230	2460	U
tert-Butylbenzene	1230	2460	U	4-Isopropyltoluene	1230	2460	10100
Tetrachloroethene	1230	2460	U	4-Methyl-2-pentanone	12300	24600	U
Tetrahydrofuran	6160	12300	U	Acetone	12300	24600	U
Toluene	1230	2460	45100	Benzene	1230	2460	3760
trans-1,2-Dichloroethene	1230	2460	U	Bromobenzene	1230	2460	U
trans-1,3-Dichloropropene	1230	2460	U	Bromochloromethane	1230	2460	U
Trichloroethene	1230	2460	U	Bromodichloromethane	1230	1850	U
Trichlorofluoromethane	1230	2460	U	Bromoform	1230	1850	U
Vinyl chloride	1230	2460	U	Bromomethane	1230	2460	U
Xylenes (total)	1230	2460	U	Carbon Disulfide	1230	2460	U
1,1,1,2-Tetrachloroethane	1230	2460	U	Carbon tetrachloride	1230	2460	U
1,1,1-Trichloroethane	1230	2460	U	Chlorobenzene	1230	2460	U
1,1,2,2-Tetrachloroethane	1230	1850	U	(TIC) n-Heptane	NA	NA	NF
1,1,2-Trichloroethane	1230	1850	U	(TIC) n-Hexane	NA	NA	NF
Surrogate Standard Recovery							
Bromofluorobenzene	111%			d4-1,2-Dichloroethane	108%		
				d8-Toluene	114%		
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in							

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B. Results between the LOD and LOQ are reported as estimated (J flag). Difficult compounds and laboratory contaminants are not reported below the LOQ

COMMENTS: Results are expressed on a dry weight basis. TIC=Tentatively Identified Compound. NF=Not Found using NIST library search criteria.

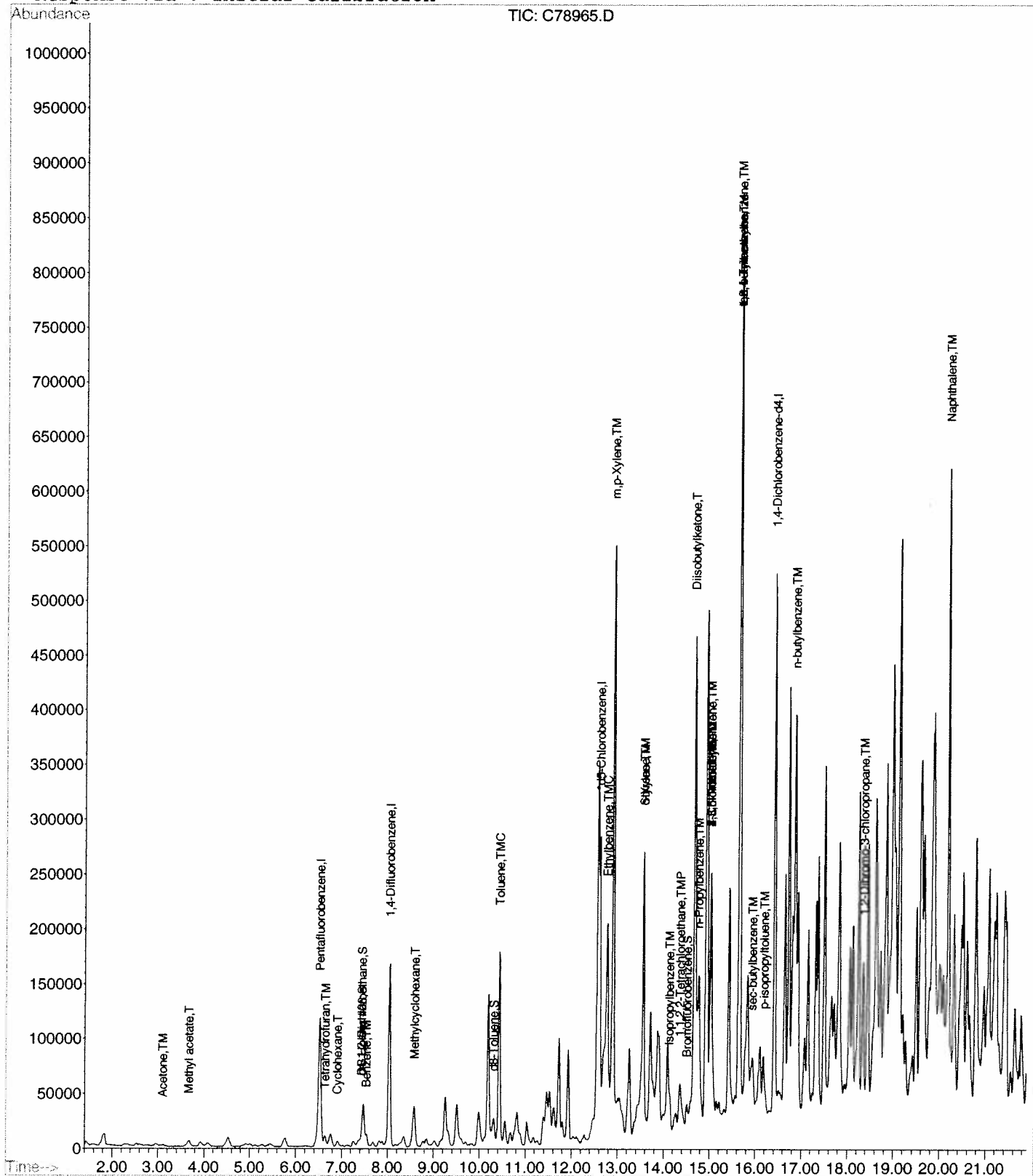
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\052711-C\C78965.D
 Acq On : 27 May 2011 7:02 pm
 Sample : 69981-1,,25X
 Misc : 2,10.145,SOIL
 MS Integration Params: rteint.p
 Quant Time: May 31 11:25 2011

Vial: 2
 Operator: TD
 Inst : Instr_C
 Multiplr: 1.00

Quant Results File: V804071C.RES

Method : C:\HPCHEM\1\METHODS\METHODS\METHODS\V804071C.M (RTE Integrator)
 Title : 8260 Purgable Organics
 Last Update : Wed May 25 14:33:17 2011
 Response via : Initial Calibration



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May 31, 2011

SAMPLE DATA

CLIENT SAMPLE ID
Project Name: Sprague Energy
Project Number: 4101-11-01
Field Sample ID: Tk7-So. Portland-2011-020-00408-2

Lab Sample ID: 69981-2
Matrix: Solid
Percent Solid: 100
Dilution Factor: 2320
Collection Date: 05/24/11
Lab Receipt Date: 05/25/11
Analysis Date: 05/27/11

ANALYTICAL RESULTS VOLATILE ORGANICS							
COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg	COMPOUND	Limit of Detection (LOD) µg/kg	Limit of Quantitation (LOQ) µg/kg	Result µg/kg
Chloroethane	1160	2320	U	1,1-Dichloroethane	1160	2320	U
Chloroform	1160	1740	U	1,1-Dichloroethene	1160	1740	U
Chloromethane	1160	2320	U	1,1-Dichloropropene	1160	2320	U
cis-1,2-Dichloroethene	1160	2320	U	1,2,3-Trichlorobenzene	1160	2320	U
cis-1,3-Dichloropropene	1160	2320	U	1,2,3-Trichloropropane	1160	2320	U
Dibromochloromethane	1160	1740	U	1,2,4-Trichlorobenzene	1160	2320	U
Dibromomethane	1160	2320	U	1,2,4-Trimethylbenzene	1160	2320	152000
Dichlorodifluoromethane	1160	2320	U	1,2-Dibromo-3-chloropropane	1160	2320	U
Ethylbenzene	1160	2320	28000	1,2-Dibromoethane	1160	1740	U
Freon-113	1160	2320	U	1,2-Dichlorobenzene	1160	2320	U
Hexachlorobutadiene	1160	2320	U	1,2-Dichloroethane	1160	1740	U
Isopropyl benzene	1160	2320	4570	1,2-Dichloropropane	1160	1740	U
m,p-Xylene	1160	2320	108000	1,3,5-Trimethylbenzene	1160	2320	38500
Methyl-tert-butyl ether (MTBE)	1160	1740	U	1,3-Dichlorobenzene	1160	2320	U
Methylene chloride	5800	11600	U	1,3-Dichloropropane	1160	2320	U
Naphthalene	1160	2320	147000	1,4-Dichlorobenzene	1160	2320	U
n-Butylbenzene	1160	2320	U	2,2-Dichloropropane	1160	2320	U
n-Propylbenzene	1160	2320	19400	Methyl ethyl ketone	11600	23200	U
o-Xylene	1160	2320	48900	2-Chlorotoluene	1160	2320	U
sec-Butylbenzene	1160	2320	5770	2-Hexanone	11600	23200	U
Styrene	1160	2320	U	4-Chlorotoluene	1160	2320	U
tert-Butylbenzene	1160	2320	U	4-Isopropyltoluene	1160	2320	8890
Tetrachloroethene	1160	2320	U	4-Methyl-2-pentanone	11600	23200	U
Tetrahydrofuran	5800	11600	U	Acetone	11600	23200	U
Toluene	1160	2320	45800	Benzene	1160	2320	3330
trans-1,2-Dichloroethene	1160	2320	U	Bromobenzene	1160	2320	U
trans-1,3-Dichloropropene	1160	2320	U	Bromochloromethane	1160	2320	U
Trichloroethene	1160	2320	U	Bromodichloromethane	1160	1740	U
Trichlorofluoromethane	1160	2320	U	Bromoform	1160	1740	U
Vinyl chloride	1160	2320	U	Bromomethane	1160	2320	U
Xylenes (total)	1160	2320	U	Carbon Disulfide	1160	2320	U
1,1,1,2-Tetrachloroethane	1160	2320	U	Carbon tetrachloride	1160	2320	U
1,1,1-Trichloroethane	1160	2320	U	Chlorobenzene	1160	2320	U
1,1,2,2-Tetrachloroethane	1160	1740	U	(TIC) n-Heptane	NA	NA	NF
1,1,2-Trichloroethane	1160	1740	U	(TIC) n-Hexane	NA	NA	NF
Surrogate Standard Recovery							
Bromofluorobenzene	110%	d4-1,2-Dichloroethane	108%	d8-Toluene	116%		
U=Undetected	J=Estimated	E=Exceeds Calibration Range	B=Detected in				

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B. Results between the LOD and LOQ are reported as estimated (J flag). Difficult compounds and laboratory contaminants are not reported below the LOQ

COMMENTS: Results are expressed on a dry weight basis. TIC=Tentatively Identified Compound, NF=Not Found using NIST library search criteria.



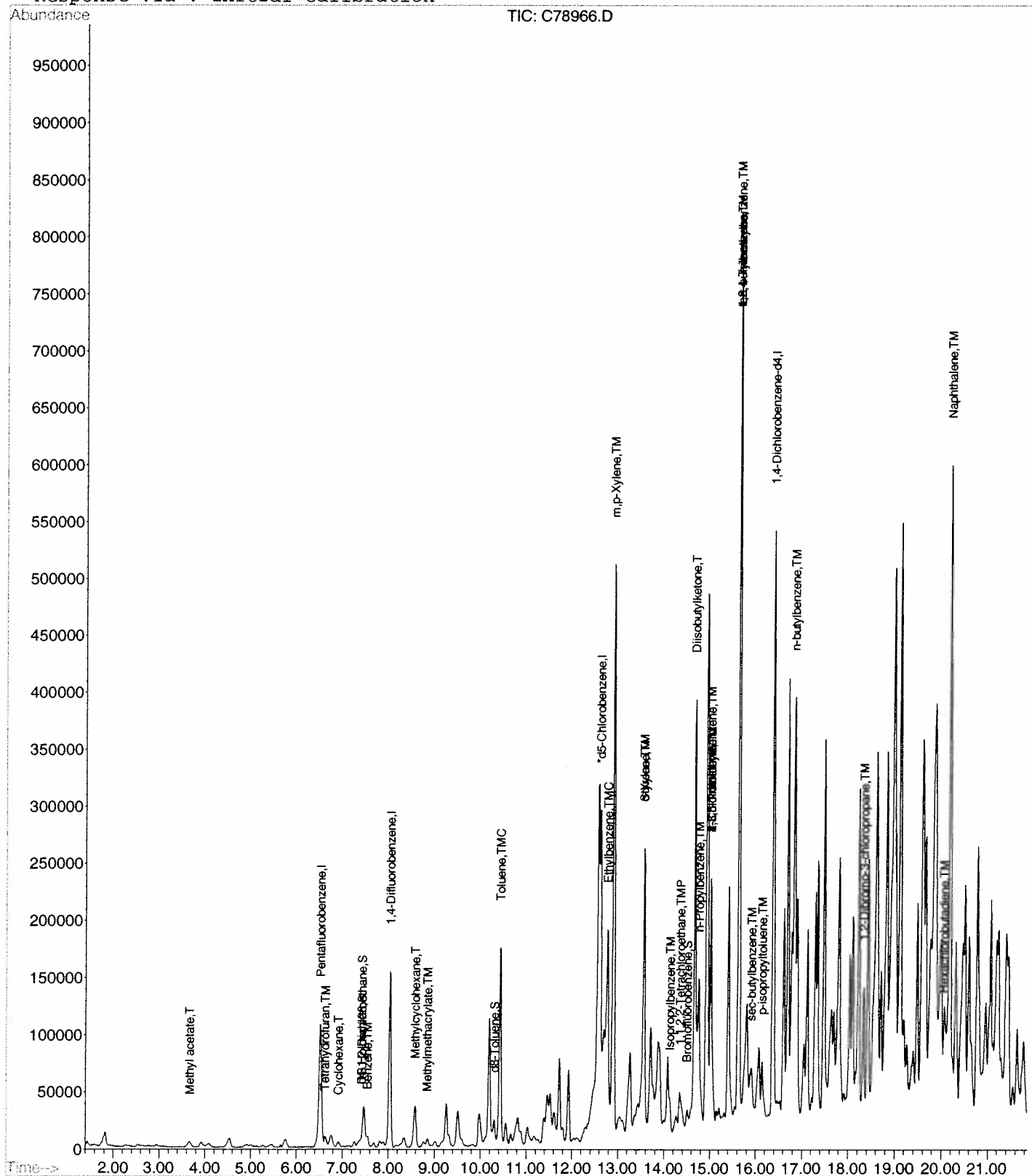
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\052711-C\C78966.D
Acq On : 27 May 2011 7:40 pm
Sample : 69981-2,,25X
Misc : 2,10.785,SOIL
MS Integration Params: rteint.p
Quant Time: May 31 11:25 2011

Vial: 3
Operator: TD
Inst : Instr_C
Multiplr: 1.00

Quant Results File: V804071C.RES

Method : C:\HPCHEM\1\METHODS\METHODS\METHODS\V804071C.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed May 25 14:33:17 2011
Response via : Initial Calibration





207000 891
T 0801 7.95 46°C

6981-1-2

11/15/2015
J. C. Johnson

[illegible]

Sprague Representative: Michael Ward
Date/Time: 5-23-11 7:20

Received By: Modell Buehler
Date/Time: 5-23-11 2:10

Received By: [Signature]
Date/Time: 5-25-11 10:00

Relinquished by: [Signature]
Date/Time: 5-25-11 10:10

Relinquished by: _____
Date/Time: _____

AEL LAB#: 69981
CLIENT: Inspectorate
PROJECT: Sprague Energy

COOLER NUMBER: 168
NUMBER OF COOLERS: 1
DATE RECEIVED: 5.25.11

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 5.25.11

1. Cooler received by (initials): LM

Date Received: 5.25.11

2. Circle one: Hand delivered
(If so, skip 3)

Shipped

3. Did cooler come with a shipping slip?

Y N /A

3a. Enter carrier name and airbill number here:

4. Were custody seals on the outside of cooler?

Y N /A

How many & where: _____ Seal Date: _____

Seal Name: _____

5. Did the custody seals arrive unbroken and intact upon arrival?

Y N /A

6. COC: _____

7. Were Custody papers filled out properly (ink, signed, etc)?

Y N

8. Were custody papers sealed in a plastic bag?

Y N

9. Did you sign the COC in the appropriate place?

Y N

10. Was the project identifiable from the COC papers?

Y N

11. Was enough ice used to chill the cooler?

Y N

Temp. of cooler:

4.6°C

B. Log-In: Date samples were logged in:

5.25.11

By: LM

12. Type of packing in cooler (bubble wrap, popcorn)

Y N

13. Were all bottles sealed in separate plastic bags?

Y N

14. Did all bottles arrive unbroken and were labels in good condition?

Y N

15. Were all bottle labels complete (ID, Date, time, etc.)

Y N

16. Did all bottle labels agree with custody papers?

Y N

17. Were the correct containers used for the tests indicated:

Y N

18. Were samples received at the correct pH?

Y N /A

19. Was sufficient amount of sample sent for the tests indicated?

Y N

20. Were all samples submitted within holding time?

Y N

21. Were bubbles absent in VOA samples?

Y N /A

If NO, List Sample ID's and Lab #s: _____

22. Laboratory labeling verified by (initials):

JB

Date:

5/25/11